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PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	DEC 01	ChemPort single article sales feature unavailable
NEWS 3	APR 03	CAS coverage of exemplified prophetic substances enhanced
NEWS 4	APR 07	STN is raising the limits on saved answers
NEWS 5	APR 24	CA/CAplus now has more comprehensive patent assignee information
NEWS 6	APR 26	USPATFULL and USPAT2 enhanced with patent assignment/reassignment information
NEWS 7	APR 28	CAS patent authority coverage expanded
NEWS 8	APR 28	ENCOMPLIT/ENCOMPLIT2 search fields enhanced
NEWS 9	APR 28	Limits doubled for structure searching in CAS REGISTRY
NEWS 10	MAY 08	STN Express, Version 8.4, now available
NEWS 11	MAY 11	STN on the Web enhanced
NEWS 12	MAY 11	BEILSTEIN substance information now available on STN Easy
NEWS 13	MAY 14	DGENE, PCTGEN and USGENE enhanced with increased limits for exact sequence match searches and introduction of free HIT display format
NEWS 14	MAY 15	INPADOCDB and INPAFAMDB enhanced with Chinese legal status data
NEWS 15	MAY 28	CAS databases on STN enhanced with NANO super role in records back to 1992
NEWS 16	JUN 01	CAS REGISTRY Source of Registration (SR) searching enhanced on STN
NEWS 17	JUN 26	NUTRACEUT and PHARMAML no longer updated
NEWS 18	JUN 29	IMSCOPROFILE now reloaded monthly
NEWS 19	JUN 29	EPFULL adds Simultaneous Left and Right Truncation (SLART) to AB, MCLM, and TI fields
NEWS 20	JUL 09	PATDPAFULL adds Simultaneous Left and Right Truncation (SLART) to AB, CLM, MCLM, and TI fields
NEWS 21	JUL 14	USGENE enhances coverage of patent sequence location (PSL) data
NEWS 22	JUL 14	CA/CAplus to be enhanced with new citing references features
NEWS 23	JUL 16	GBFULL adds patent backfile data to 1855
NEWS 24	JUL 21	USGENE adds bibliographic and sequence information

NEWS EXPRESS MAY 26 09 CURRENT WINDOWS VERSION IS V8.4,
AND CURRENT DISCOVER FILE IS DATED 06 APRIL 2009.

```
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* * * * * * * * * * * * * * * STN  Columbus  * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 12:22:34 ON 21 JUL 2009

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files.  For example, the EXPAND
command can only be used to look at the index in a file which has an
index.  Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of
commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                   ENTRY    SESSION
FULL ESTIMATED COST                                 0.22       0.22

FILE 'REGISTRY' ENTERED AT 12:22:56 ON 21 JUL 2009
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STRUCTURE FILE UPDATES:   19 JUL 2009  HIGHEST RN 1165441-73-5
DICTIONARY FILE UPDATES:  19 JUL 2009  HIGHEST RN 1165441-73-5

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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  conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document.  For information
on property searching in REGISTRY, refer to:
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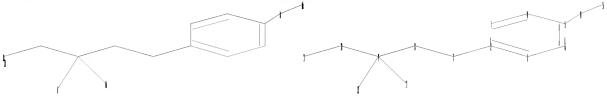
http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10591774.str

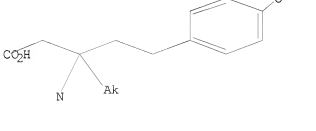


chain nodes :
7 8 9 10 11 12 13 14 16
ring nodes :
1 2 3 4 5 6
chain bonds :
2-7 5-14 7-8 8-9 9-10 9-12 9-13 10-11 14-16
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
5-14 9-12 9-13 14-16
exact bonds :
2-7 7-8 8-9 9-10 10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 14:CLASS 16:CLASS

L1 STRUCTURE UPLOADED

=> D L1
L1 HAS NO ANSWERS
L1 STR



Structure attributes must be viewed using STN Express query preparation.

```
=> S L1
SAMPLE SEARCH INITIATED 12:23:11 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -      119 TO ITERATE

100.0% PROCESSED      119 ITERATIONS                                 0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE   **COMPLETE**
                        BATCH    **COMPLETE**
PROJECTED ITERATIONS:          1726 TO     3034
PROJECTED ANSWERS:                0 TO        0

L2            0 SEA SSS SAM L1

=> S L1 SSS FULL
FULL SEARCH INITIATED 12:23:19 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -     2403 TO ITERATE

100.0% PROCESSED     2403 ITERATIONS                                 1 ANSWERS
SEARCH TIME: 00.00.01

L3            1 SEA SSS FUL L1

=> FIL HCAPLUS
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   185.88     186.10

FILE 'HCAPLUS' ENTERED AT 12:23:25 ON 21 JUL 2009
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FILE COVERS 1907 - 21 Jul 2009  VOL 151 ISS 4
FILE LAST UPDATED: 20 Jul 2009  (20090720/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED:  Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE:  Jun 2009

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2009.

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http://www.cas.org/legal/infopolicy.html
```

This file contains CAS Registry Numbers for easy and accurate substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family of databases will soon be updated to include new citing references information. This enhancement may impact record import into database management software. For additional information, refer to NEWS 22.

=> S L3
L4 1 L3

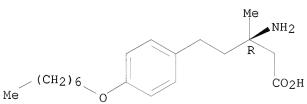
=> d l4 ibib abs hitstr tot

L4 ANSWER 1 OF 1 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:1004693 HCAPLUS
DOCUMENT NUMBER: 143:267240
TITLE: Preparation of amino acid derivatives and pharmaceutical compositions containing them
INVENTOR(S): Hinterding, Klaus; Hoegenauer, Klemens
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005085179	A1	20050915	WO 2005-EP2447	20050308
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005219562	A1	20050915	AU 2005-219562	20050308
AU 2005219562	B2	20081016		
CA 2558167	A1	20050915	CA 2005-2558167	20050308
EP 1725519	A1	20061129	EP 2005-715843	20050308
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1934069	A	20070321	CN 2005-80009575	20050308
BR 2005008610	A	20070731	BR 2005-8610	20050308
JP 2007535499	T	20071206	JP 2007-502279	20050308
IN 2006CN03253	A	20070706	IN 2006-CN3253	20060907
MX 2006010284	A	20061030	MX 2006-10284	20060908
KR 2007019702	A	20070215	KR 2006-718344	20060908
KR 879831	B1	20090122		
US 20070135501	A1	20070614	US 2006-591774	20061018

PRIORITY APPLN. INFO.: GB 2004-5289 A 20040309
WO 2005-EP2447 W 20050308
OTHER SOURCE(S): CASREACT 143:267240; MARPAT 143:267240
AB The invention relates to new amino acid derivs. R4R5NCR1R3CH2CH2R2 [R1 is alkyl optionally substituted by OH, alkoxy or F, alkenyl, alkynyl; R2 is R6X-substituted Ph (may be further substituted) or 2-naphthyl, 2-R6X-substituted benzoxazol-5-yl or benzodioxol-5-yl, where X is O, CO, S or a bond and R6 is optionally substituted alkyl or oxa- or oxoalkyl; R3 is -A-B-CO2H, where A and B are independently a bond, CO or CDE (D and E are independently H, halo or alkyl); R4, R5 are independently H, alkyl, haloalkyl or acyl (with provisos)], including their production and use, particularly in transplantation. Thus, (R)-3-amino-5-[4-(heptyloxy)phenyl]-3-methylpentanoic acid, prepared by a multistep sequence starting from N-Boc-protected (R)-2-amino-4-(4-hydroxyphenyl)-2-methyl-1-butanol, showed binding affinity to individual human sphingosine 1 phosphate (S1P) receptors (EC50 for binding to S1P1 is 11 nM).
IT 863991-32-6P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amino acid derivs. and pharmaceutical compns. containing them)
RN 863991-32-6 HCAPLUS
CN Benzenepentanoic acid, β-amino-4-(heptyloxy)-β-methyl-, (βR)- (CA INDEX NAME)

Absolute stereochemistry.



REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> FIL REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	17.04	203.14
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-0.82	-0.82

FILE 'REGISTRY' ENTERED AT 12:25:32 ON 21 JUL 2009

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STRUCTURE FILE UPDATES: 19 JUL 2009 HIGHEST RN 1165441-73-5
DICTIONARY FILE UPDATES: 19 JUL 2009 HIGHEST RN 1165441-73-5

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TSCA INFORMATION NOW CURRENT THROUGH January 9, 2009.

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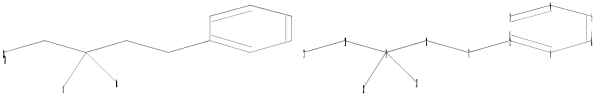
REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Program Files\Stnexp\Queries\10591774a.str



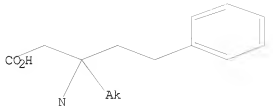
chain nodes :
7 8 9 10 11 12 13
ring nodes :
1 2 3 4 5 6
chain bonds :
2-7 7-8 8-9 9-10 9-12 9-13 10-11
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6
exact/norm bonds :
9-12 9-13
exact bonds :
2-7 7-8 8-9 9-10 10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS 11:CLASS 12:CLASS 13:CLASS

L5 STRUCTURE UPLOADED

=> d l5

L5 HAS NO ANSWERS
L5 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l5
SAMPLE SEARCH INITIATED 12:26:13 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 302 TO ITERATE

100.0% PROCESSED 302 ITERATIONS 6 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 4998 TO 7082
PROJECTED ANSWERS: 6 TO 266

L6 6 SEA SSS SAM L5

=> s l5 sss full
FULL SEARCH INITIATED 12:26:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 6074 TO ITERATE

100.0% PROCESSED 6074 ITERATIONS 68 ANSWERS
SEARCH TIME: 00.00.01

L7 68 SEA SSS FUL L5

=> FIL HCAPLUS
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 186.36 389.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS) SINCE FILE ENTRY TOTAL SESSION
CA SUBSCRIBER PRICE 0.00 -0.82

FILE 'HCAPLUS' ENTERED AT 12:26:49 ON 21 JUL 2009
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FILE COVERS 1907 - 21 Jul 2009 VOL 151 ISS 4
FILE LAST UPDATED: 20 Jul 2009 (20090720/ED)
REVISED CLASS FIELDS (/NCL) LAST RELOADED: Jun 2009
USPTO MANUAL OF CLASSIFICATIONS THESAURUS ISSUE DATE: Jun 2009

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the second quarter of 2009.

CAS Information Use Policies apply and are available at:

http://www.cas.org/legal/infopolicy.html

This file contains CAS Registry Numbers for easy and accurate
substance identification.

The ALL, BIB, MAX, and STD display formats in the CA/CAplus family
of databases will soon be updated to include new citing references
information. This enhancement may impact record import into
database management software. For additional information, refer
to NEWS 22.

```
=> d his

     (FILE 'HOME' ENTERED AT 12:22:34 ON 21 JUL 2009)

     FILE 'REGISTRY' ENTERED AT 12:22:56 ON 21 JUL 2009
L1             STRUCTURE UPLOADED
L2           0 S L1
L3           1 S L1 SSS FULL

     FILE 'HCAPLUS' ENTERED AT 12:23:25 ON 21 JUL 2009
L4           1 S L3

     FILE 'REGISTRY' ENTERED AT 12:25:32 ON 21 JUL 2009
L5             STRUCTURE UPLOADED
L6           6 S L5
L7          68 S L5 SSS FULL

     FILE 'HCAPLUS' ENTERED AT 12:26:49 ON 21 JUL 2009

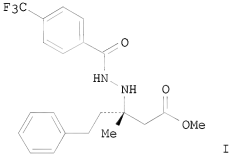
=> s l7
L8           6 L7

=> d l8 ibib abs hitstr tot

L8   ANSWER 1 OF 6  HCAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:         2008:525259  HCAPLUS
DOCUMENT NUMBER:          148:585420
TITLE:                    A New Silicon Lewis Acid for Highly Enantioselective
                          Mannich Reactions of Aliphatic Ketone-Derived
```

Hydrazones

AUTHOR(S): Notte, Gregory T.; Leighton, James L.
CORPORATE SOURCE: Department of Chemistry, Columbia University, New York, NY, 10027, USA
SOURCE: Journal of the American Chemical Society (2008), 130(21), 6676-6677
CODEN: JACSAT; ISSN: 0002-7863
PUBLISHER: American Chemical Society
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 148:585420
GI



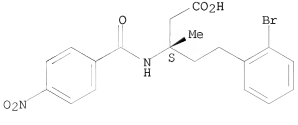
I

AB The first general method for the highly enantioselective Mannich reaction of aliphatic ketimines is reported. A new, second generation chiral silane Lewis acid has been developed that promotes the reaction between ketone-derived hydrazones and silyl ketene acetals, providing the β,β-disubstituted β-amino esters, e.g., I, with good enantioselectivity even for the hydrazone derived from 2-butanone (Me vs Et, 91% ee). Several examples are provided, including a reaction with a substituted (propanoate-derived) silyl ketene acetal.

IT 1028492-27-4P
RL: PRP (Properties); SPN (Synthetic preparation); PREP (Preparation)
(crystal structure; stereoselective preparation of (tetrahydroquinolinyl)acetate derivative via chiral silane-catalyzed enantioselective Mannich reaction, reduction, and heterocyclization of (bromophenyl)butanone-derived hydrazone)

RN 1028492-27-4 HCAPLUS
CN Benzenepentanoic acid, 2-bromo-β-methyl-β-[(4-nitrobenzoyl)amino]-, (βS)- (CA INDEX NAME)

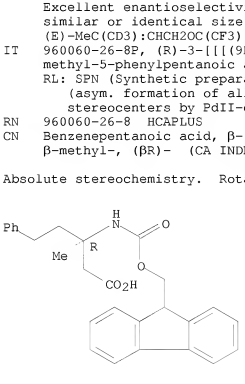
Absolute stereochemistry.



REFERENCE COUNT: 34 THERE ARE 34 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 2 OF 6 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2007:1201261 HCAPLUS
DOCUMENT NUMBER: 148:54432
TITLE: Asymmetric formation of allylic amines with N-substituted quaternary stereocenters by PdII-catalyzed aza-Claisen rearrangements
AUTHOR(S): Fischer, Daniel F.; Xin, Zhuo-qun; Peters, Rene
CORPORATE SOURCE: Laboratory of Organic Chemistry, ETH Zuerich, Zurich, 8093, Switz.
SOURCE: Angewandte Chemie, International Edition (2007), 46(40), 7704-7707
CODEN: ACIEF5; ISSN: 1433-7851
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 148:54432
AB With (μ-Cl)2[Pd(2-((4R,5R)-4,5-di-tert-butyl-4,5-dihydro-1-tosyl-1H-imidazol-2-yl)-1',2',3',4',5'-pentaphenylferrocenyl)]2 (containing 1 diastereomer of the ligand) as precatalyst, quaternary N-substituted stereocenters can be generated in an asym. aza-Claisen rearrangement. Excellent enantioselectivities were obtained even if R and R' have a similar or identical size (e.g. 96% ee for CH3/CD3, i.e. conversion of (E)-MeC(CD3):CHCH2OC(CF3):NPMP to (R)-CF3C(O)N(PMP)CMe(CD3)CH:CH2).
IT 960060-26-8P, (R)-3-[[[(9H-Fluoren-9-yl)methoxy]carbonyl]amino]-3-methyl-5-phenylpentanoic acid
RL: SPN (Synthetic preparation); PREP (Preparation)
(asym. formation of allylic amines with N-substituted quaternary stereocenters by PdII-catalyzed aza-Claisen rearrangements)
RN 960060-26-8 HCAPLUS
CN Benzenepentanoic acid, β-[[(9H-fluoren-9-ylmethoxy)carbonyl]amino]-β-methyl-, (βR)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (-).



REFERENCE COUNT: 53 THERE ARE 53 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 3 OF 6 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:1004693 HCAPLUS
DOCUMENT NUMBER: 143:267240

TITLE: Preparation of amino acid derivatives and pharmaceutical compositions containing them
INVENTOR(S): Hinterding, Klaus; Hoegenauer, Klemens
PATENT ASSIGNEE(S): Novartis A.-G., Switz.; Novartis Pharma G.m.b.H.
SOURCE: PCT Int. Appl., 24 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005085179	A1	20050915	WO 2005-EP2447	20050308
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2005219562	A1	20050915	AU 2005-219562	20050308
AU 2005219562	B2	20081016		
CA 2558167	A1	20050915	CA 2005-2558167	20050308
EP 1725519	A1	20061129	EP 2005-715843	20050308
R: AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LI, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR				
CN 1934069	A	20070321	CN 2005-80009575	20050308
BR 2005008610	A	20070731	BR 2005-8610	20050308
JP 2007535499	T	20071206	JP 2007-502279	20050308
IN 2006CN03253	A	20070706	IN 2006-CN3253	20060907
MX 2006010284	A	20061030	MX 2006-10284	20060908
KR 2007019702	A	20070215	KR 2006-718344	20060908
KR 879831	B1	20090122		
US 20070135501	A1	20070614	US 2006-591774	20061018

PRIORITY APPLN. INFO.: GB 2004-5289 A 20040309
WO 2005-EP2447 W 20050308

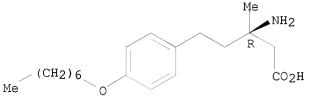
OTHER SOURCE(S): CASREACT 143:267240; MARPAT 143:267240

AB The invention relates to new amino acid derivs. R4R5NCR1R3CH2CH2R2 [R1 is alkyl optionally substituted by OH, alkoxy or F, alkenyl, alkynyl; R2 is R6X-substituted Ph (may be further substituted) or 2-naphthyl, 2-R6X-substituted benzoxazol-5-yl or benzodioxol-5-yl, where X is O, CO, S or a bond and R6 is optionally substituted alkyl or oxa- or oxoalkyl; R3 is -A-B-CO2H, where A and B are independently a bond, CO or CDE (D and E are independently H, halo or alkyl); R4, R5 are independently H, alkyl, haloalkyl or acyl (with provisos)], including their production and use, particularly in transplantation. Thus, (R)-3-amino-5-[4-(heptyloxy)phenyl]-3-methylpentanoic acid, prepared by a multistep sequence starting from N-Boc-protected (R)-2-amino-4-(4-hydroxyphenyl)-2-methyl-1-butanol, showed binding affinity to individual human sphingosine 1 phosphate (S1P) receptors (EC50 for binding to S1P1 is 11 nM).

IT 863991-32-6P

RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amino acid derivs. and pharmaceutical compns. containing them)
RN 863991-32-6 HCAPLUS
CN Benzenepentanoic acid, β-amino-4-(heptyloxy)-β-methyl-, (βR)- (CA INDEX NAME)

Absolute stereochemistry.

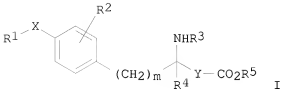


REFERENCE COUNT: 7 THERE ARE 7 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 4 OF 6 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:426562 HCAPLUS
DOCUMENT NUMBER: 142:481829
TITLE: Preparation of amino(phenyl)alkanoic acid derivatives, addition salts thereof, and sphingosine-1-phosphate (S1P) receptor modulators
INVENTOR(S): Kohno, Yasushi; Tanioka, Sayoko; Kikuchi, Yoshiaki; Kinoshita, Miki; Iwanami, Satoru
PATENT ASSIGNEE(S): Kyorin Pharmaceutical Co., Ltd., Japan
SOURCE: PCT Int. Appl., 221 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005044780	A1	20050519	WO 2004-JP16517	20041108
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				

PRIORITY APPLN. INFO.: JP 2003-380383 A 20031110
OTHER SOURCE(S): MARPAT 142:481829
GI



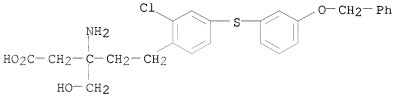
I

AB Aminocarboxylic acid derivs. represented by the general formula (I) [wherein R1 = each (un)substituted Ph or C1-10 alkyl; R2 = H, halo, trihalomethyl, C1-4 alkyl, C1-4 alkoxy; R3 = H, C1-4 alkyl, Ph; R4 = H, (un)substituted C1-4 alkyl, C2-4 alkenyl, C2-4 alkynyl, CO2H, C1-4 alkoxycarbonyl, benzyloxycarbonyl, CH2OCH2CO2H, CH2OCH2CO2R6 (wherein R6 = C1-4 alkyl, benzyl); X = O, S, SO, SO2; m = 2-4; Y = CH:CH, CH2OCH2, (CH2)n (wherein n = an integer of 0-2), CH2OCHCO2R5 (R5 = same as above)], optical isomers, pharmacol. acceptable salts, or hydrates thereof are prepared These compds. are highly effective in controlling a sphingosine-1-phosphoric acid (S1P) receptor. For example, 3-amino-6-[4-(3-benzyloxyphenylsulfanyl)-2-chlorophenyl]-3-hydroxymethylhexanoic acid induced the cellular calcium uptake in CHO cells expressing human S1P1 receptor and those expressing human S1P3 receptor with ED50 of <1 μmol and ≥10 μM, resp. The compds. I in vitro induced the activation of extracellular regulatory kinase in CHO cells expressing human S1P receptor and in vivo inhibited the host-vs.-graft rejection in transplant of lymph node in mice.

IT 852053-21-5P 852055-44-8P,
3-Amino-5-[4-[(4-benzyloxyphenyl)thio]-2-chlorophenyl]-3-hydroxymethylpentanoic acid 852055-46-0P,
3-Amino-5-[4-[(4-benzyloxyphenyl)thio]-2-chlorophenyl]-3-(3-hydroxypropyl)pentanoic acid 852055-48-2P,
3-Amino-5-[4-[(4-benzyloxyphenyl)thio]-2-chlorophenyl]-3-propylpentanoic acid 852055-50-6P, 3-Allyl-3-amino-5-[4-[(4-benzyloxyphenyl)thio]-2-chlorophenyl]pentanoic acid
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(extracellular-regulatory kinase activation inducers; preparation of amino(phenyl)alkanoic acid derivs. as sphingosine-1-phosphate (S1P) receptor modulators)

RN 852053-21-5 HCAPLUS

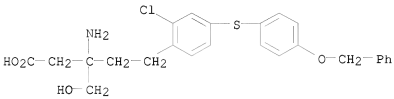
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(phenylmethoxy)phenyl]thio]- (CA INDEX NAME)



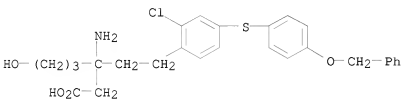
RN 852055-44-8 HCAPLUS

CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[4-

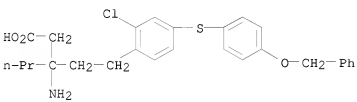
(phenylmethoxy)phenyl]thio]- (CA INDEX NAME)



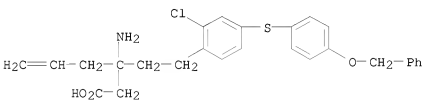
RN 852055-46-0 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(3-hydroxypropyl)-4-[[4-(phenylmethoxy)phenyl]thio]- (CA INDEX NAME)



RN 852055-48-2 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-4-[[4-(phenylmethoxy)phenyl]thio]-β-propyl- (CA INDEX NAME)



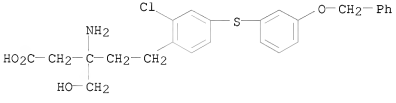
RN 852055-50-6 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-4-[[4-(phenylmethoxy)phenyl]thio]-β-2-propen-1-yl- (CA INDEX NAME)



IT 852053-22-6P 852053-25-9P 852053-28-2P
852053-35-1P 852053-39-5P 852053-40-8P
852053-41-9P 852053-68-0P 852053-69-1P

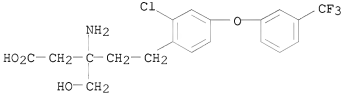
852053-89-5P 852053-90-8P 852053-91-9P
852054-08-1P 852054-10-5P 852054-12-7P
852054-14-9P 852054-43-4P 852054-45-6P
852054-46-7P 852054-48-9P 852054-50-3P
852054-52-5P 852054-84-3P 852054-86-5P
852054-88-7P 852054-91-2P 852054-93-4P
852054-95-6P 852054-97-8P 852054-99-0P
852055-01-7P 852055-03-9P 852055-05-1P
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(preparation of amino(phenyl)alkanoic acid derivs. as sphingosine-1-phosphate (S1P) receptor modulators)

RN 852053-22-6 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(phenylmethoxy)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)

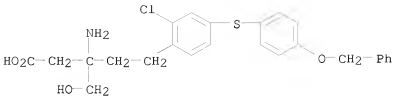


● HCl

RN 852053-25-9 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[3-(trifluoromethyl)phenoxy]- (CA INDEX NAME)

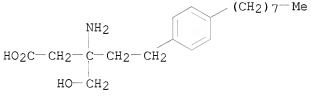


RN 852053-28-2 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[4-(phenylmethoxy)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



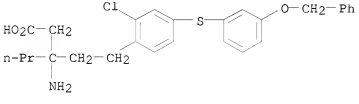
● HCl

RN 852053-35-1 HCAPLUS
CN Benzenepentanoic acid, β-amino-β-(hydroxymethyl)-4-octyl-, hydrochloride (1:1) (CA INDEX NAME)



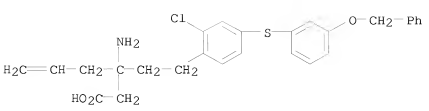
● HCl

RN 852053-39-5 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-4-[[3-(phenylmethoxy)phenyl]thio]-β-propyl-, hydrochloride (1:1) (CA INDEX NAME)



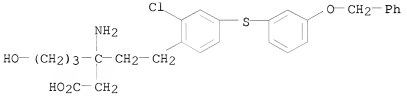
● HCl

RN 852053-40-8 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-4-[[3-(phenylmethoxy)phenyl]thio]-β-2-propen-1-yl-, hydrochloride (1:1) (CA INDEX NAME)



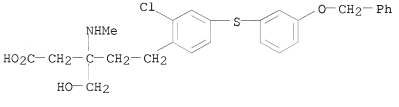
● HCl

RN 852053-41-9 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(3-hydroxypropyl)-4-[[3-(phenylmethoxy)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



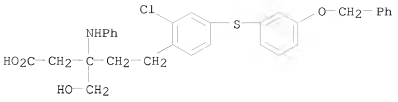
● HCl

RN 852053-68-0 HCAPLUS
CN Benzenepentanoic acid, 2-chloro-β-(hydroxymethyl)-β-(methylamino)-4-[[3-(phenylmethoxy)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



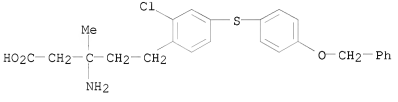
● HCl

RN 852053-69-1 HCAPLUS
CN Benzenepentanoic acid, 2-chloro-β-(hydroxymethyl)-β-(phenylamino)-4-[[3-(phenylmethoxy)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



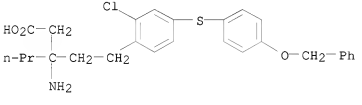
● HCl

RN 852053-89-5 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-methyl-4-[[4-(phenylmethoxy)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



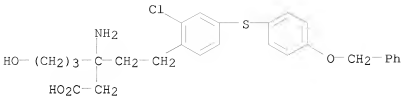
● HCl

RN 852053-90-8 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-4-[[4-(phenylmethoxy)phenyl]thio]-β-propyl-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

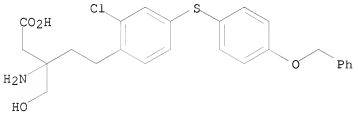
RN 852053-91-9 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(3-hydroxypropyl)-4-[[4-(phenylmethoxy)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

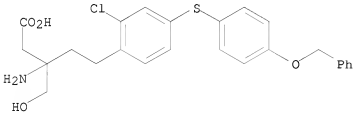
RN 852054-08-1 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[4-(phenylmethoxy)phenyl]thio]-, (+)- (CA INDEX NAME)

Rotation (+).



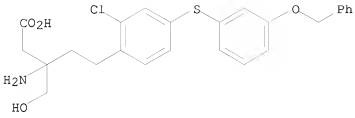
RN 852054-10-5 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[4-(phenylmethoxy)phenyl]thio]-, (-)- (CA INDEX NAME)

Rotation (-).



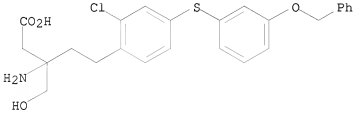
RN 852054-12-7 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(phenylmethoxy)phenyl]thio]-, (-)- (CA INDEX NAME)

Rotation (-).

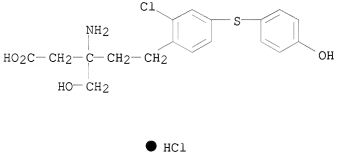


RN 852054-14-9 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(phenylmethoxy)phenyl]thio]-, (+)- (CA INDEX NAME)

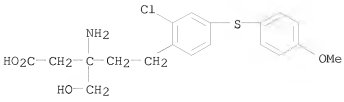
Rotation (+).



RN 852054-43-4 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[(4-hydroxyphenyl)thio]-, hydrochloride (1:1) (CA INDEX NAME)

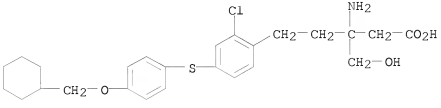


RN 852054-45-6 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[(4-methoxyphenyl)thio]-, hydrochloride (1:1) (CA INDEX NAME)



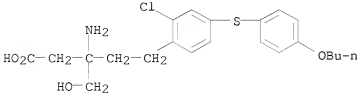
● HCl

RN 852054-46-7 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-4-[[4-(cyclohexylmethoxy)phenyl]thio]-β-(hydroxymethyl)-, hydrochloride (1:1) (CA INDEX NAME)



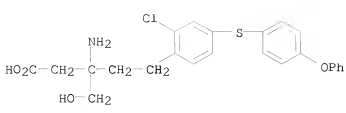
● HCl

RN 852054-48-9 HCAPLUS
CN Benzenepentanoic acid, β-amino-4-[(4-butoxyphenyl)thio]-2-chloro-β-(hydroxymethyl)-, hydrochloride (1:1) (CA INDEX NAME)



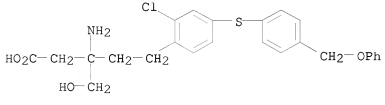
● HCl

RN 852054-50-3 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[(4-phenoxyphenyl)thio]-, hydrochloride (1:1) (CA INDEX NAME)



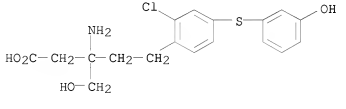
● HCl

RN 852054-52-5 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[4-(phenoxymethyl)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



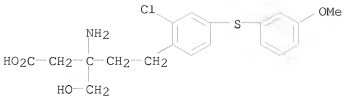
● HCl

RN 852054-84-3 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[(3-hydroxyphenyl)thio]-, hydrochloride (1:1) (CA INDEX NAME)



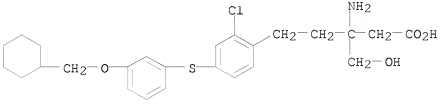
● HCl

RN 852054-86-5 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[(3-methoxyphenyl)thio]-, hydrochloride (1:1) (CA INDEX NAME)



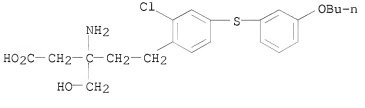
● HCl

RN 852054-88-7 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-4-[[3-(cyclohexylmethoxy)phenyl]thio]-β-(hydroxymethyl)-, hydrochloride (1:1) (CA INDEX NAME)



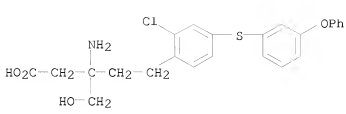
● HCl

RN 852054-91-2 HCAPLUS
CN Benzenepentanoic acid, β-amino-4-[(3-butoxyphenyl)thio]-2-chloro-β-(hydroxymethyl)-, hydrochloride (1:1) (CA INDEX NAME)



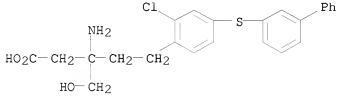
● HCl

RN 852054-93-4 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[(3-phenoxyphenyl)thio]-, hydrochloride (1:1) (CA INDEX NAME)



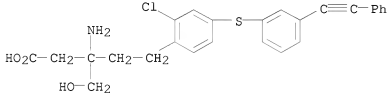
● HCl

RN 852054-95-6 HCAPLUS
CN Benzenepentanoic acid, β-amino-4-([1,1'-biphenyl]-3-ylthio)-2-chloro-β-(hydroxymethyl)-, hydrochloride (1:1) (CA INDEX NAME)



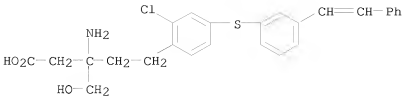
● HCl

RN 852054-97-8 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(2-phenylethynyl)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



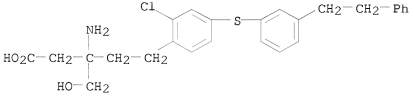
● HCl

RN 852054-99-0 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(2-phenylethenyl)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



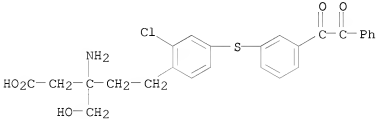
● HCl

RN 852055-01-7 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(2-phenylethyl)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



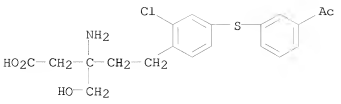
● HCl

RN 852055-03-9 HCAPLUS
CN Benzenepentanoic acid, β-amino-2-chloro-β-(hydroxymethyl)-4-[[3-(2-oxo-2-phenylacetyl)phenyl]thio]-, hydrochloride (1:1) (CA INDEX NAME)



● HCl

RN 852055-05-1 HCAPLUS
CN Benzenepentanoic acid, 4-[(3-acetylphenyl)thio]-β-amino-2-chloro-β-(hydroxymethyl)-, hydrochloride (1:1) (CA INDEX NAME)

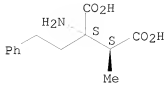


● HCl

REFERENCE COUNT: 65 THERE ARE 65 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

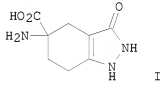
L8 ANSWER 5 OF 6 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:548899 HCAPLUS
DOCUMENT NUMBER: 141:243786
TITLE: Synthesis of optically active β-alkyl aspartate via [3,3] sigmatropic rearrangement of α-acyloxytrialkylsilane
AUTHOR(S): Sakaguchi, Kazuhiko; Yamamoto, Masahiro; Kawamoto, Tetsuo; Yamada, Takeshi; Shinada, Tetsuro; Shimamoto, Keiko; Ohfune, Yasufumi
CORPORATE SOURCE: Graduate School of Science, Department of Material Science, Osaka City University, Sugimoto, Sumiyoshi, Osaka, 558-8585, Japan
SOURCE: Tetrahedron Letters (2004), 45(30), 5869-5872 CODEN: TELEAY; ISSN: 0040-4039
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 141:243786
AB The synthesis of four types of optically active β-carbon-substituted analogs of threo-β-hydroxy aspartate (THA) and a β-carbon-substituted analog of threo-β-benzyloxy aspartate (TBOA), which are potent blockers of excitatory amino acid transporters in the mammalian central nervous system, via the chirality-transferring ester-enolate Claisen rearrangement of α-acyloxytrialkylsilane is described.
IT 749927-13-7P
RL: BSU (Biological study, unclassified); SPN (Synthetic preparation); BIOL (Biological study); PREP (Preparation)
(synthesis of optically active β-alkyl aspartate as glutamate uptake inhibitors in mammalian central nervous system)
RN 749927-13-7 HCAPLUS
CN L-Aspartic acid, 3-methyl-2-(2-phenylethyl)-, (3S)- (CA INDEX NAME)

Absolute stereochemistry. Rotation (+).

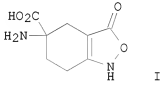


REFERENCE COUNT: 29 THERE ARE 29 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L8 ANSWER 6 OF 6 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:376463 HCAPLUS
DOCUMENT NUMBER: 125:168594
ORIGINAL REFERENCE NO.: 125:31609a,31612a
TITLE: Ethyl N-(diphenylmethylene)glycinate as anionic glycine equivalent. Monoalkylation, dialkylation and Michael additions under solid-liquid phase-transfer catalysis
AUTHOR(S): Lopez, Anna; Moreno-Manas, Marcial; Pleixats, Roser; Roglans, Anna; Ezquerra, Jeus; Pedregal, Concepcion
CORPORATE SOURCE: Dep. Chem., Univ. Autonoma Barcelona, Barcelona, 08193, Spain
SOURCE: Tetrahedron (1996), 52(24), 8365-8386
CODEN: TETRAB; ISSN: 0040-4020
PUBLISHER: Elsevier
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 125:168594
GI



I



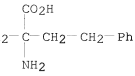
II

AB Et N-(diphenylmethylene)glycinate undergoes monoalkylations, dialkylations and Michael addns. to ethylenic and acetylenic acceptors under appropriate solid-liquid phase transfer catalysis conditions. Further transformations of the α-disubstituted ketimines leads to α-alkylated aspartic and glutamic acid derivs. HO2CCH2C(NH2)(CO2H)(CH2)nPh and HO2CCH2CH2C(NH2)(CO2H)(CH2)nPh (n = 2, 3), to bicyclic amino acids or derivs. featuring pryazolone and isoxazolone moieties I and II, and to α-substituted (E)-3,4-dehydroglutamic acids.

IT 180609-01-2P
RL: SPN (Synthetic preparation); PREP (Preparation)
(phase-transfer alkylation, dialkylation, and Michael addition reactions of (diphenylmethylene)glycinate as glycine anion synthon)

RN 180609-01-2 HCAPLUS

CN Aspartic acid, 2-(2-phenylethyl)-, hydrochloride (9CI) (CA INDEX NAME)



● HCl

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=> FIL REGISTRY
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                     56.64     446.14

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     -4.92      -5.74

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DICTIONARY FILE UPDATES:  19 JUL 2009  HIGHEST RN 1165441-73-5

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on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

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Uploading C:\Program Files\Stnexp\Queries\10591774b.str
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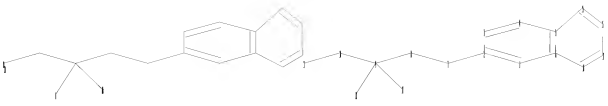
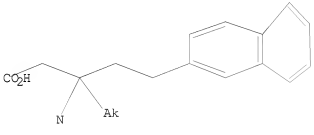


chain nodes :
7 8 9 10 11 12 13
ring nodes :
1 2 3 4 5 6 15 16 17 18
chain bonds :
2-7 7-8 8-9 9-10 9-12 9-13 10-11
ring bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-15 6-18 15-16 16-17 17-18
exact/norm bonds :
9-12 9-13
exact bonds :
2-7 7-8 8-9 9-10 10-11
normalized bonds :
1-2 1-6 2-3 3-4 4-5 5-6 5-15 6-18 15-16 16-17 17-18
isolated ring systems :
containing 1 :

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:Atom 7:CLASS 8:CLASS 9:CLASS 10:CLASS
11:CLASS 12:CLASS 13:CLASS 15:CLASS 16:Atom 17:Atom 18:Atom

L9 STRUCTURE UPLOADED

=> d l9
L9 HAS NO ANSWERS
L9 STR



Structure attributes must be viewed using STN Express query preparation.

=> s l9
SAMPLE SEARCH INITIATED 12:31:43 FILE 'REGISTRY'

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SAMPLE SCREEN SEARCH COMPLETED -        9 TO ITERATE

100.0% PROCESSED        9 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:            9 TO      360
PROJECTED ANSWERS:               0 TO        0

L10           0 SEA SSS SAM L9

=> s l9 sss full
FULL SEARCH INITIATED 12:31:50 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -      206 TO ITERATE

100.0% PROCESSED      206 ITERATIONS                                0 ANSWERS
SEARCH TIME: 00.00.01

L11           0 SEA SSS FUL L9

=> log y
COST IN U.S. DOLLARS                                SINCE FILE      TOTAL
                                                       ENTRY    SESSION
FULL ESTIMATED COST                                   186.36     632.50

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                       ENTRY    SESSION
CA SUBSCRIBER PRICE                                     0.00      -5.74

STN INTERNATIONAL LOGOFF AT 12:32:25 ON 21 JUL 2009
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